

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

PERMIT TO OPERATE

**Permit No. R-F56689
A/N 383843**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. ABSORBER, SPRAY DRYER TYPE, WITH CALCIUM HYDROXIDE OR SODIUM HYDROXIDE INJECTION.
2. BAGHOUSE, WITH A MAXIMUM AIR-TO-CLOTH RATIO OF 2.3 TO 1, REVERSE AIR CLEANING, TOTAL FILTER AREA OF 62,225 SQ. FT.
3. EXHAUST SYSTEM WITH AN INDUCED DRAFT FAN, 500 H.P., 110,000 CFM CAPACITY, VENTING THE REFUSE COMBUSTION SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OWNER OR OPERATOR SHALL COMPLY WITH THE MUNICIPAL WASTE COMBUSTOR OPERATING PRACTICE REQUIREMENTS LISTED IN 40 CFR PART 60.53b (b) AND (c).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
4. THE OWNER OR OPERATOR SHALL COMPLY WITH THE MUNICIPAL WASTE COMBUSTOR OPERATOR TRAINING AND CERTIFICATION REQUIREMENTS LISTED IN 40 CFR 60.54b (a) THROUGH (g).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
5. DUST OR FLYASH COLLECTED IN THE BAGHOUSE COMPARTMENT HOPPERS AND THE SPRAY DRYER HOPPER SHALL BE DISCHARGED ONLY INTO CLOSED CONVEYORS AND/OR CONTAINERS EXCEPT DURING MAINTENANCE AND REPAIR OF ASH CONVEYING SYSTEMS.
[RULE 402; RULE 1303(a)(1)-BACT]
6. A GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE BAGS.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

7. THE VOLUME AND/OR MASS OF REAGENT INJECTED FOR SO₂ CONTROL SHALL BE CONTINUOUSLY MEASURED AND RECORDED.
[RULE 1303(a)(1)-BACT]
8. A CONTINUOUS MONITORING SYSTEM TO MONITOR AND RECORD MASS EMISSIONS AND CONCENTRATIONS OF NITROGEN OXIDES (NOX), OXIDES OF SULFUR (SOX) AND CARBON MONOXIDE (CO) IN THE EXHAUST OF THE COMBUSTOR/BOILER STACK, SHALL BE MAINTAINED AND OPERATED IN A MANNER PRESCRIBED IN 40 CFR 60.58b.
[RULE 476; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
9. A CONTINUOUS OXYGEN MONITOR AND RECORDER, AS APPROVED BY THE AQMD, SHALL BE MAINTAINED AND OPERATED IN A MANNER PRESCRIBED IN 40 CFR 60.58b TO MEASURE CONCENTRATIONS OF OXYGEN IN THE EXHAUST OF THE COMBUSTOR/BOILER STACK.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
10. A SYSTEM, AS APPROVED BY THE AQMD, SHALL BE OPERATED TO CONVERT AND RECORD THE STACK NITROGEN OXIDES CONCENTRATIONS TO 3% OXYGEN ON A DRY BASIS AND REPORT THE RESULTS IN A MANNER WHICH DEMONSTRATES COMPLIANCE WITH RULE 476.
[RULE 476]
11. THE OWNER OR OPERATOR SHALL MAINTAIN AND OPERATE A CONTINUOUS OPACITY MONITOR AND RECORDER IN A MANNER PRESCRIBED IN 40 CFR 60.58b TO MEASURE OPACITY OF FLUE GAS IN THE EXHAUST OF THE COMBUSTOR/BOILER STACK. THE MEASURED OPACITY SHALL NOT EXCEED 10 PERCENT IN 6-MINUTE AVERAGE.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
12. THE OWNER OR OPERATOR SHALL MAINTAIN AND OPERATE A CONTINUOUS TEMPERATURE MONITOR IN A MANNER PRESCRIBED IN 40 CFR 60.58b TO MONITOR THE TEMPERATURE OF THE FLUE GAS STREAM AT THE INLET TO EACH PARTICULATE MATTER CONTROL DEVICE FOR THE RESOURCE RECOVERY SYSTEM. THE MONITORED TEMPERATURE SHALL NOT EXCEED 17 DEGREES IN CELSIUS (4-HR BLOCK AVERAGE) ABOVE THE MAXIMUM DEMONSTRATED PARTICULATE MATTER CONTROL DEVICE TEMPERATURE AS DEFINED IN 40 CFR 60.51b EXCEPT AS SPECIFIED UNDER 40 CFR 60.53b(c).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
13. ALL CONTINUOUS EMISSION MONITORS SHALL BE OPERATED IN ACCORDANCE WITH THE REQUIREMENTS AND OPERATING PROCEDURES AS APPROVED BY THE AQMD.
[RULE 204, 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
14. CONTROLLED EMISSIONS OF OXIDES OF NITROGEN (NOX) IN THE AIR POLLUTION CONTROL SYSTEM EXHAUST FROM THIS SYSTEM SHALL NOT EXCEED 190 PPMV (HOURLY AVERAGE) AND 225 PPMV (15 MINUTES AVERAGE) AT 3 % OXYGEN ON A DRY BASIS.
[RULE 476; RULE 1303(b)(2)-OFFSET]
15. NOT LESS THAN 59 GALLONS PER HOUR OF 15 PERCENT CA(OH)₂ SLURRY SHALL BE INJECTED TO THE SPRAY DRYER, OR NOT LESS THAN 43 GALLONS PER HOUR OF 20 PERCENT NaOH SLURRY TO THE SPRAY DRYER, OR NOT LESS THAN 100 LB/HR OF DRY LIME SHALL BE INJECTED INTO THE FURNACE DURING ANY PERIOD THE SO₂ CEMS IS NOT PROPERLY OPERATING.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

16. CONTROLLED EMISSIONS OF THE FOLLOWING POLLUTANTS IN THE EXHAUST FROM THE SYSTEM SHALL NOT EXCEED THE LIMITS SPECIFIED BELOW. THE FOLLOWING LIMITS ARE CORRECTED TO 7% OXYGEN ON A DRY BASIS UNLESS OTHERWISE INDICATED:

OXIDES OF NITROGEN (NOX)	205 PPMV (24-HR DAILY ARITHMETIC AVERAGE)
OXIDES OF SULFUR (SOX)	29 PPMV OR 75 % WT. REDUCTION (24-HR DAILY GEOMETRIC MEAN)
CARBON MONOXIDE (CO)	100 PPMV (4-HR ARITHMETIC AVERAGE)
PARTICULATE MATTER (PM)	25 mg/DSCM
DIOXIN/FURAN	30 ng/DSCM
CADMIUM	35 µg/DSCM
LEAD	0.40 mg/DSCM
MERCURY	0.05 mg/DSCM OR 85% WT. REDUCTION
HYDROGEN CHLORIDE	29 PPMV OR 95 % WT. REDUCTION
[40 CFR 60 Subpart Cb]	

17. THE CONTROLLED EMISSIONS IN THE EXHAUST FROM THIS SYSTEM SHALL NOT EXCEED THE FOLLOWING LIMITS:

CONTAMINANT	LB/DAY
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NITROGEN OXIDES	825
PM10	123
SULFUR OXIDES	100
CARBON MONOXIDE	300
TOTAL HYDROCARBONS	58
[RULE 1303(b)(2)-OFFSET]	

18. VISIBLE FUGITIVE ASH EMISSIONS FROM AN ASH CONVEYING SYSTEM SHALL NOT EXCEED 5 PERCENT OF THE OBSERVATION PERIOD WHICH IS DEFINED IN 40 CFR 60.58b(k), EXCEPT DURING MAINTENANCE AND REPAIR OF ASH CONVEYING SYSTEMS.
 [40 CFR 60 Subpart Cb; 40 CFR Subpart Eb]

19. THE AQMD APPROVED SAMPLING PORTS SHALL BE MAINTAINED IN THE FOLLOWING LOCATIONS:

- A. IN THE DUCT FOLLOWING THE COMBUSTOR/BOILER BUT PRECEDING THE SPRAY DRYER;
 - B. IN THE DUCT FOLLOWING THE SPRAY DRYER BUT PRECEDING THE BAGHOUSE;
 - C. IN THE EXHAUST STACK;
 - D. IN THE COMBUSTION AIR INLET DUCT BETWEEN THE INTAKE AND THE COMBUSTOR.
- [RULE 204]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

20. THE OWNER OR OPERATOR OF COMMERCE REFUSE TO ENERGY FACILITY SHALL CONDUCT PERFORMANCE TESTS ON AN ANNUAL BASIS (NO MORE THAN 12 CALENDAR MONTHS FOLLOWING THE PREVIOUS PERFORMANCE TEST) UNLESS A DIFFERENT FREQUENCY IS SPECIFIED BELOW IN ACCORDANCE WITH THE AQMD TEST PROCEDURES AND 40 CFR 60.58b. WRITTEN NOTICE OF SUCH PERFORMANCE TESTS SHALL BE PROVIDED TO THE AQMD SEVEN (7) DAYS PRIOR TO THE START OF TESTING SO THAT AN OBSERVER MAY BE PRESENT. IN THE EVENT OF A POSTPONEMENT, THE NEW START DATE SHALL BE FAXED TO THE AQMD, ATTENTION TO MANAGER OF TOXIC AND WASTE MANAGEMENT, AT LEAST TWO WORKING DAYS PRIOR TO THE NEW START DATE.

THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE COMBUSTOR/BOILER EXHAUST STREAM FOLLOWING THE BAGHOUSE UNLESS OTHERWISE REQUESTED BELOW FOR THE FOLLOWING POLLUTANTS:

- A. TOTAL NON METHANE HYDROCARBONS
 - B. PARTICULATE MATTER
 - C. HYDROGEN CHLORIDE
 - D. EXHAUST FLOW RATE, WET AND DRY
 - E. POLYNUCLEAR AROMATIC HYDROCARBONS (EVERY FIVE YEARS)
 - F. TETRA- THROUGH OCTA-CHLORINATED DIBENZO-P-DIOXINS AND DIBENZOFURANS
 - G. ARSENIC, BERYLLIUM, CHROMIUM, COPPER, MANGANESE, NICKEL, SELENIUM, ZINC (EACH OF THESE EVERY FIVE YEARS)
 - H. CADMIUM, LEAD, MERCURY
 - I. OPACITY
 - J. FLUE GAS TEMPERATURE AT THE INLET TO THE BAGHOUSE DURING DIOXIN/FURAN TEST
 - K. LOAD LEVEL (STEAM FLOW OR FEEDWATER FLOW) DURING DIOXIN/FURAN TEST
 - L. OXIDES OF NITROGEN (AS VOLUME PERCENT, AT 3 % O₂ ON A DRY BASIS)
 - M. OXIDES OF SULFUR
 - N. CARBON MONOXIDE
 - O. FUGITIVE ASH USING EPA METHOD 22
- [RULE 1303(a)(1)-BACT; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]

21. THE OWNER OR OPERATOR OF COMMERCE REFUSE-TO-ENERGY SHALL SUBMIT WRITTEN RESULTS OF THE PERFORMANCE TESTS TO THE AQMD BY FEBRUARY 1st OF EACH YEAR FOLLOWING THE CALENDAR YEAR IN WHICH THE TESTS WERE CONDUCTED. THE OWNER OR OPERATOR OF COMMERCE REFUSE-TO-ENERGY FACILITY SHALL COMPLY WITH THE REPORTING AND RECORDKEEPING REQUIREMENTS SPECIFIED IN 40 CFR 60.59b, AS APPLICABLE.

[RULE 1303(a)(1)-BACT; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]

22. ALL RECORDS REQUIRED BY THIS PERMIT OR 40 CFR 60.59b, AS APPLICABLE, SHALL BE MAINTAINED AND KEPT ON FILE FOR A PERIOD OF AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

[RULE 204; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

Periodic Monitoring:

23. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE ACROSS THE FILTER DOES NOT EXCEED 15 INCHES WATER COLUMN. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY WEEK. THE OPERATOR SHALL KEEP THESE RECORDS, IN A MANNER APPROVED BY SCAQMD.
[RULE 3004(a)(4)]
24. THE OPERATOR SHALL PERFORM A BIENNIAL INSPECTION OF THE EQUIPMENT AND BAGS FOR LEAKS, BROKEN OR TORN BAGS AND IMPROPERLY INSTALLED BAGS. ADDITIONAL INSPECTION SHALL BE CONDUCTED WHEN THE STACK OPACITY AS MEASURED BY THE CONTINUOUS OPACITY MONITORING SYSTEM EXCEEDS 5% FOR ONE HOUR OR MORE. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE BAGS;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004(a)(4)]

Emissions and Reporting:

25. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

THIS PERMIT TO OPERATE R-F56689 SUPERSEDES PERMIT TO OPERATE F56689 ISSUED ON APRIL 12, 2004.

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**Permit No. TBD
A/N 446552**

Equipment Description:

RESOURCE RECOVERY SYSTEM CONSISTING OF:

1. REFUSE CHARGING HOPPER
2. COMBUSTOR, MUNICIPAL SOLID WASTE FIRED, FOSTER WHEELER, MODEL NO. C845 260, WATER WALL TYPE, WITH RECIPROCATING GRATES, A NATURAL GAS FIRED AUXILIARY BURNER RATED AT 145,000 SCF/HOUR, AND A MULTI-LEVEL AMMONIA INJECTION SYSTEM, VENTING THE ASH PLANT, WASTE RECEIVING AND STORAGE AREA VIA THE 55,000 CFM UNDERFIRE PRIMARY COMBUSTION AIR FAN AND THE 24,000 CFM OVERFIRE SECONDARY COMBUSTION AIR FAN.
3. BOILER SECTION, WATER TUBE TYPE, RATED AT 130,000 LB/HR OF STEAM AT 650 PSIG AND 750 DEGREES FAHRENHEIT, WITH A SUPERHEATER, ECONOMIZER, AND SOOT BLOWERS.
4. STEAM TURBINE, FUJI, MODEL NO. KQ69053G1, DRIVING A 12 MW GENERATOR.
5. DRY LIMESTONE INJECTION INTO THE FURNACE.
6. AMMONIA STORAGE TANK, 12,000 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION. THIS FACILITY SHALL BE IN COMPLIANCE WITH THE APPLICABLE OPERATOR REQUIREMENTS AS SPECIFIED UNDER 40 CFR 60.54b.
[RULE 204; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
4. THE COMBUSTOR/BOILER EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID PERMIT BY THE AQMD.
[RULE 402; RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

5. THE COMBUSTOR/BOILER EQUIPMENT SHALL NOT BE OPERATED UNLESS ALL OF ITS PRIMARY COMBUSTION AIR IS VENTED FROM THE ASH SYSTEM, TIPPING HALL AND THE REFUSE PIT OF THE REFUSE RECEIVING AND STORAGE SYSTEM, EXCEPT FOR UNSCHEDULED OR SHORT TERM (LESS THAN 30 MIN) MAINTENANCE/REPAIR OF THE COMBUSTION AIR SYSTEM.
[RULE 402]
6. THIS EQUIPMENT MAY ONLY BE USED TO BURN REFUSE COLLECTED FROM RESIDENTIAL SOURCES, COMMERCIAL SOURCES AND OTHER SOURCES AS APPROVED AND IN A MANNER PRESCRIBED IN WRITING BY THE AQMD. ANY MATERIAL SPECIFICALLY DESIGNATED AS HAZARDOUS MATERIAL OR HAZARDOUS WASTE SHALL NOT BE BURNED UNLESS OTHERWISE APPROVED AND IN A MANNER PRESCRIBED IN WRITING BY THE AQMD.
[RULE 204; RULE 1402; 40 CFR 60 Subpart Cb]
7. ALL MATERIALS THAT ARE LISTED AS HAZARDOUS BY A FEDERAL OR STATE AGENCY OR APPEAR ON A FEDERAL OR STATE CANDIDATE LIST SHALL BE CONSIDERED "HAZARDOUS MATERIAL" FOR THE PURPOSE OF THIS PERMIT.
[RULE 204]
8. WHEN NATURAL GAS IS FIRED IN THIS COMBUSTOR, IT SHALL ONLY BE FIRED FOR:
 1. THE SUPPORT OF GOOD COMBUSTION OF REFUSE
 2. PERIODS OF WARM-UP, START-UP AND SHUTDOWN.NATURAL GAS SHALL NOT BE USED FOR THE SOLE PURPOSE OF BOOSTING GENERATED POWER, EXCEPT DURING CALIFORNIA INDEPENDENT SYSTEM OPERATOR DECLARED STAGE II OR STAGE III ELECTRICAL EMERGENCIES THAT COINCIDE WITH WET REFUSE BURNING CONDITIONS. DAILY NATURAL GAS CONSUMPTION SHALL BE MEASURED AND RECORDED.
[RULE 1303(a)(1)-BACT; RULE 1303(b)(2)-OFFSET]
9. THE COMBUSTOR SHALL BE FIRED ON NATURAL GAS DURING THE WARM-UP PERIOD. DURING WARM-UP, REFUSE SHALL NOT BE INTRODUCED INTO THE COMBUSTOR EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT. IN ADDITION, FIRING OF NATURAL GAS SHALL CONTINUE UNTIL THE FLUE GAS TEMPERATURE AT THE SUPERHEATER INLET REACHES 1000 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
10. START-UP BEGINS WHEN THE FACILITY STARTS THE CONTINUOUS BURNING OF REFUSE AND DOES NOT INCLUDE ANY WARM-UP PERIOD.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
11. SHUTDOWN BEGINS WHEN THE FACILITY CEASES REFUSE CHARGING TO THE COMBUSTOR, UNTIL COMPLETE REFUSE BURNOUT IS ACHIEVED. DURING SHUTDOWN, THE COMBUSTOR SHALL BURN NATURAL GAS UNTIL ALL REFUSE ON THE GRATES HAS BEEN COMBUSTED.
[RULE 1303(a)(1)-BACT; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
12. THE APPLICABLE STANDARDS UNDER 40 CFR 60 SUBPARTS Cb AND Eb, SHALL APPLY AT ALL TIMES EXCEPT DURING PERIODS OF START-UP, SHUTDOWN, OR MALFUNCTION. THE DURATION OF START-UP, SHUTDOWN OR MALFUNCTION PERIODS SHALL COMPLY WITH 40 CFR 60 SUBPART Eb SECTION 60.58b.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

13. THE COMBUSTOR/BOILER EQUIPMENT SHALL NOT BE OPERATED UNLESS THE SELECTIVE NON-CATALYTIC REDUCTION (SNCR) SYSTEM IS IN OPERATION, EXCEPT DURING THE PERIODS OF WARM-UP OR SHUTDOWN. THE AQUEOUS AMMONIA FLOW TO THE SNCR GRID WILL BE CONTROLLED EITHER AUTOMATICALLY BY USING PROCESS MONITORS OR MANUALLY BY THE OPERATORS.
[RULE 1303(a)(1)-BACT]
14. RESIDUE FROM THE GRATES AND SIFTINGS FROM UNDER THE GRATES SHALL BE DISCHARGED ONLY INTO AN ASH QUENCH TANK, EXCEPT DURING MAINTENANCE AND REPAIR SITUATIONS (SUCH AS CLOGGING) INVOLVING THE ASH EXTRACTOR OR SIFTINGS CONVEYOR.
[RULE 402]
15. THE OWNER OR OPERATOR SHALL MAINTAIN AND OPERATE A CONTINUOUS LOAD MONITOR AND RECORDER IN A MANNER PRESCRIBED IN 40 CFR 60.58b, TO MEASURE AND RECORD STEAM FLOW OR FEEDWATER FLOW RATE TO DETERMINE THAT THE RESOURCE RECOVERY SYSTEM IS NOT OPERATING AT A LOAD LEVEL GREATER THAN 110 PERCENT OF THE MAXIMUM DEMONSTRATED MUNICIPAL WASTE COMBUSTOR UNIT LOAD AS DEFINED IN 40 CFR PART 60.51b EXCEPT AS SPECIFIED UNDER 40 CFR PART 60.53b(b). THE STEAM FLOW OR FEEDWATER FLOW SHALL BE CALCULATED IN 4-HOUR BLOCK ARITHMETIC AVERAGES.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
16. THE TOTAL ALLOWED SUPPLEMENTAL NATURAL GAS USAGE FOR THIS BOILER SHALL NOT EXCEED 1,300,000 STANDARD CUBIC FEET PER DAY.
[RULE 1303(b)(2)-OFFSET]
17. VISIBLE FUGITIVE ASH EMISSIONS FROM THE ASH CONVEYING SYSTEM SHALL NOT EXCEED 5 PERCENT OF THE OBSERVATION PERIOD WHICH IS DEFINED IN 40 CFR 60.58b(k), EXCEPT DURING MAINTENANCE AND REPAIR OF ASH CONVEYING SYSTEMS.
[RULE 402; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
18. ALL RECORDS REQUIRED BY THIS PERMIT OR 40 CFR 60.59b, AS APPLICABLE, INCLUDING, BUT NOT LIMITED TO, THOSE REQUIRED BY CONDITION NOS. 23 THROUGH 31, SHALL BE MAINTAINED AND KEPT ON FILE FOR A PERIOD OF AT LEAST 5 YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204; 40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
19. THE OWNER OR OPERATOR SHALL COMPLY WITH THE MUNICIPAL WASTE COMBUSTOR OPERATING PRACTICE REQUIREMENTS LISTED IN 40 CFR 60.53b(b) AND (c).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]
20. THE OWNER OR OPERATOR SHALL COMPLY WITH THE MUNICIPAL WASTE COMBUSTOR OPERATOR TRAINING AND CERTIFICATION REQUIREMENTS LISTED IN 40 CFR 60.54b(a) THROUGH (g).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

Periodic Monitoring:

21. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A SEMI-ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE SEMI-ANNUAL PERIOD. THE ROUTINE SEMI-ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
- A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
 - B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
 - C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
- [RULE 3004(a)(4)]

Emissions and Requirements:

22. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: 0.1 gr/scf, RULE 409
 - PM: 11 lb/hr AND 0.01 gr/scf, RULE 475
 - PM: 11 lb/hr AND 0.01 gr/scf, RULE 476
 - PM: 0.18 g/dscm, CORRECTED TO 12% CO₂, 40 CFR Subpart E
 - CO: 2000 PPMV, RULE 407
 - SO_x: 500 PPMV, RULE 407
 - NO_x: 225 PPMV, RULE 476

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

23. THE OPERATOR SHALL RECORD THE FOLLOWING PARAMETERS AND MAKE THEM AVAILABLE FOR SUBMITTAL TO THE ADMINISTRATOR OR ON-SITE REVIEW BY AN INSPECTOR:
- A. ALL 6-MINUTE AVERAGE OPACITY LEVELS AS SPECIFIED IN 60.58b(c).
 - B. ALL 1-HOUR AVERAGE SO_x EMISSION CONCENTRATIONS AS SPECIFIED UNDER 60.58b(e).
 - C. ALL 1-HOUR AVERAGE NO_x EMISSION CONCENTRATIONS AS SPECIFIED UNDER 60.58b(h).
 - D. ALL 1-HOUR AVERAGE CO EMISSION CONCENTRATIONS, MUNICIPAL WASTE COMBUSTOR UNIT LOAD MEASUREMENTS, AND PARTICULATE MATTER CONTROL DEVICE INLET TEMPERATURES AS SPECIFIED UNDER 60.58b(i).
- [40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
24. THE OPERATOR SHALL COMPUTE AND RECORD THE FOLLOWING AVERAGES AND PERCENT REDUCTIONS AND MAKE THEM AVAILABLE FOR SUBMITTAL TO THE ADMINISTRATOR OR ON-SITE REVIEW BY AN INSPECTOR:
- A. ALL 24-HOUR DAILY GEOMETRIC AVERAGE SO_x EMISSION CONCENTRATIONS AND ALL 24-HOUR DAILY GEOMETRIC AVERAGE PERCENT REDUCTIONS IN SO_x EMISSIONS AS SPECIFIED IN 60.58b(e).
 - B. ALL 24-HOUR DAILY ARITHMETIC AVERAGE NO_x EMISSION CONCENTRATIONS AS SPECIFIED IN 60.58b(h).
 - C. ALL 4-HOUR BLOCK OR 24-HOUR DAILY ARITHMETIC AVERAGE CO EMISSION CONCENTRATIONS, AS APPLICABLE, AS SPECIFIED UNDER 60.58b(i).
 - D. ALL 4-HOUR BLOCK ARITHMETIC AVERAGE MUNICIPAL WASTE COMBUSTOR UNIT LOAD LEVELS AND PARTICULATE MATTER CONTROL DEVICE INLET TEMPERATURES AS SPECIFIED UNDER 60.58b(i).
- [40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
25. THE OPERATOR SHALL IDENTIFY THE CALENDAR DATES WHEN ANY OF THE AVERAGE EMISSION CONCENTRATIONS, PERCENT REDUCTIONS, OR OPERATING PARAMETERS RECORDED UNDER (d)(2)(ii)(A) THROUGH (d)(2)(ii)(E) OR THE OPACITY LEVELS RECORDED UNDER (d)(2)(i)(A) OF SECTION 60.59b ARE ABOVE APPLICABLE LIMITS, WITH REASONS FOR SUCH EXCEEDANCES AND A DESCRIPTION OF CORRECTIVE ACTIONS TAKEN.
- [40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
26. THE OPERATOR SHALL IDENTIFY CALENDAR DATES FOR WHICH THE MINIMUM NUMBER OF HOURS OF ANY OF THE DATA SPECIFIED IN PARAGRAPHS SECTION 60.59b (d)(6)(i) THROUGH (d)(6)(v) HAVE NOT BEEN OBTAINED INCLUDING REASONS FOR NOT OBTAINING SUFFICIENT DATA AND A DESCRIPTION OF CORRECTIVE ACTIONS TAKEN.
- [40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
27. THE OPERATOR SHALL IDENTIFY EACH OCCURRENCE THAT SO_x AND NO_x EMISSIONS DATA OR OPERATIONAL DATA (CO EMISSIONS, UNIT LOAD, AND PARTICULATE MATTER CONTROL DEVICE TEMPERATURE) HAVE BEEN EXCLUDED FROM THE CALCULATION OF AVERAGE EMISSION CONCENTRATIONS OR PARAMETERS, AND THE REASONS FOR EXCLUDING THE DATA.
- [40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]

FACILITY PERMIT TO OPERATE COMMERCE REFUSE TO ENERGY FACILITY

28. THE OPERATOR SHALL RECORD THE RESULTS OF DAILY DRIFT TESTS AND QUARTERLY ACCURACY DETERMINATIONS FOR SO_x, NO_x AND CO CEMS AS REQUIRED BY APPENDIX F OF THIS SECTION 60.59b, PROCEDURE I.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
29. THE OPERATOR SHALL RECORD THE TEST REPORTS DOCUMENTING THE RESULTS OF THE INITIAL PERFORMANCE TEST AND ALL ANNUAL PERFORMANCE TESTS LISTED IN SECTION 60.59b (d)(9)(i) AND (d)(9)(ii) ALONG WITH SUPPORTING CALCULATIONS.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
30. THE OPERATOR SHALL RECORD THE FOLLOWING:
- A. RECORDS SHOWING THE NAMES OF THE MW COMBUSTOR CHIEF FACILITY OPERATOR, SHIFT SUPERVISORS, AND CONTROL ROOM OPERATORS WHO HAVE BEEN PROVISIONALLY CERTIFIED BY AN APPROVED CERTIFICATION PROGRAM AS REQUIRED BY 60.54b(a) INCLUDING DATES IF INITIAL AND RENEWAL CERTIFICATIONS.
 - B. RECORDS SHOWING THE NAMES OF THE MW COMBUSTOR CHIEF FACILITY OPERATOR, SHIFT SUPERVISORS, AND CONTROL ROOM OPERATORS WHO HAVE BEEN FULLY CERTIFIED BY AN APPROVED CERTIFICATION PROGRAM AS REQUIRED BY 60.54b(a) INCLUDING DATES IF INITIAL AND RENEWAL CERTIFICATIONS.
 - C. RECORDS SHOWING THE NAMES OF THE MW COMBUSTOR CHIEF FACILITY OPERATOR, SHIFT SUPERVISORS, AND CONTROL ROOM OPERATORS WHO HAVE COMPLETED THE EPA MW COMBUSTOR OPERATOR TRAINING OR APPROVED EQUIVALENT COURSE AS REQUIRED BY 60.54b(d) INCLUDING DOCUMENTATION OF TRAINING COMPLETION.
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]
31. THE OPERATOR SHALL RECORD THE NAMES OF PERSONS THAT HAVE COMPLETED A REVIEW OF THE OPERATIONS MANUAL AS REQUIRED BY 60.54b(f).
[40 CFR 60 Subpart Cb; 40 CFR 60 Subpart Eb, Section 60.59b]